

Appendix 5-2: Individual Performance Time-Series Plots and Period of Record Flow and Total Phosphorus Load Estimates for the STAs

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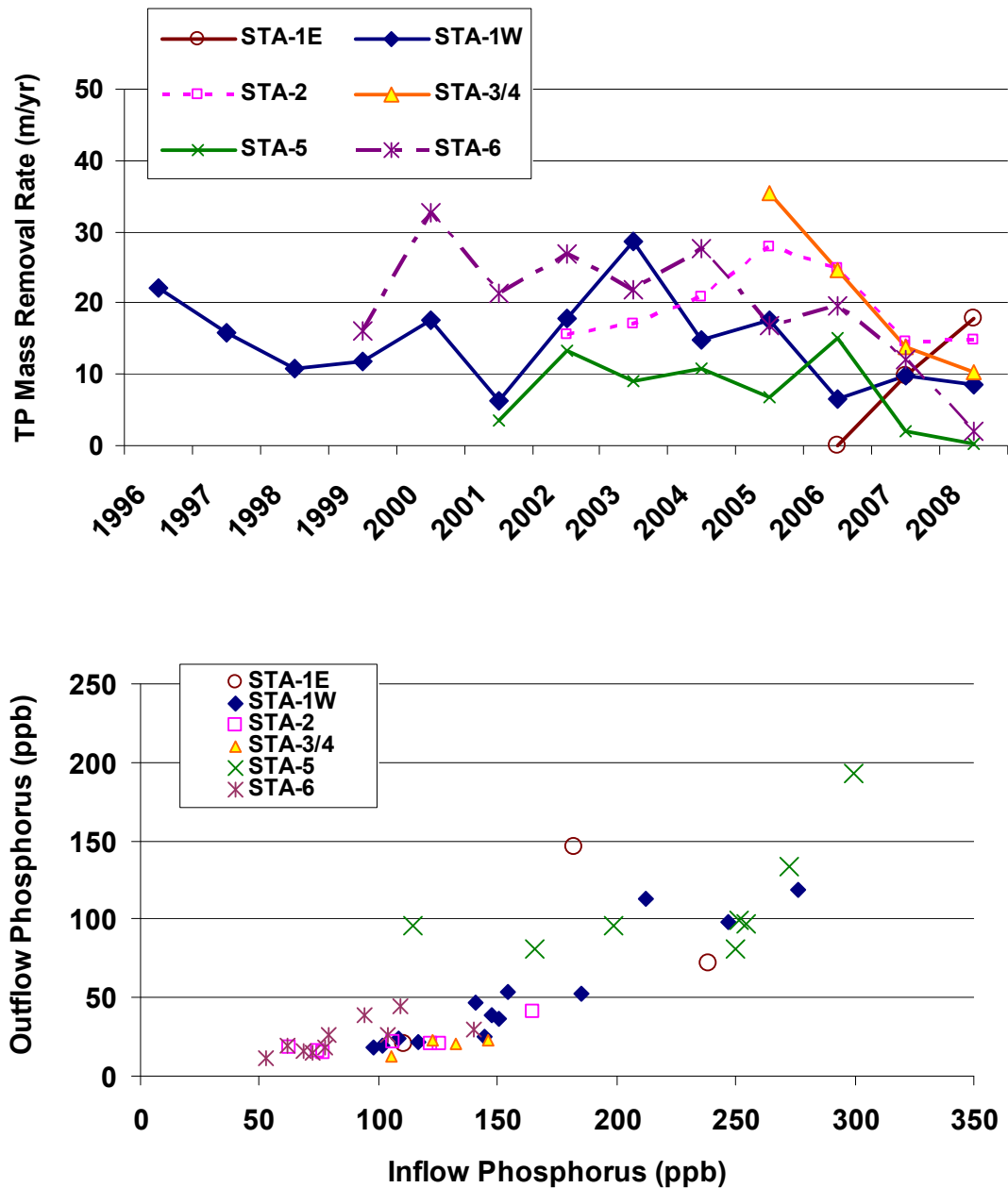


Figure 1. Estimated total phosphorus (TP) mass removal rates and the relationship of TP flow-weighted mean concentration for the six Everglades Construction Project (ECP) Stormwater Treatment Areas (STAs) (STA-1E, STA-1W, STA-2, STA-3/4, STA-5, and STA-6) for the period of record.

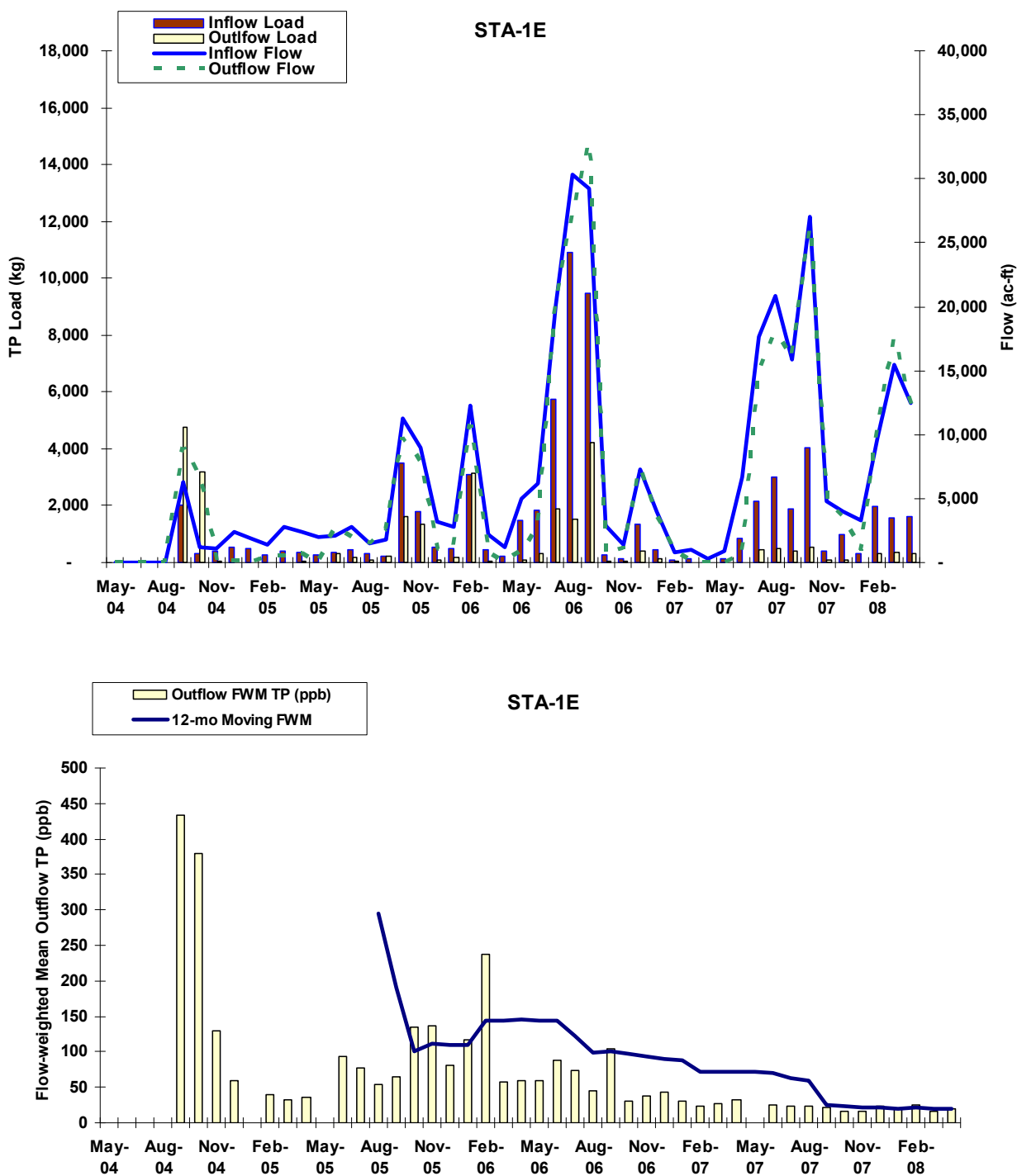


Figure 2. Flow, TP load, and flow-weighted mean TP concentrations at STA-1E during Water Years 2004–2008 (WY2004–WY2008). Sections of STA-1E were temporarily off-line during WY2004–WY2007. Refer to Table 2 of this appendix for information about treatment cell status.

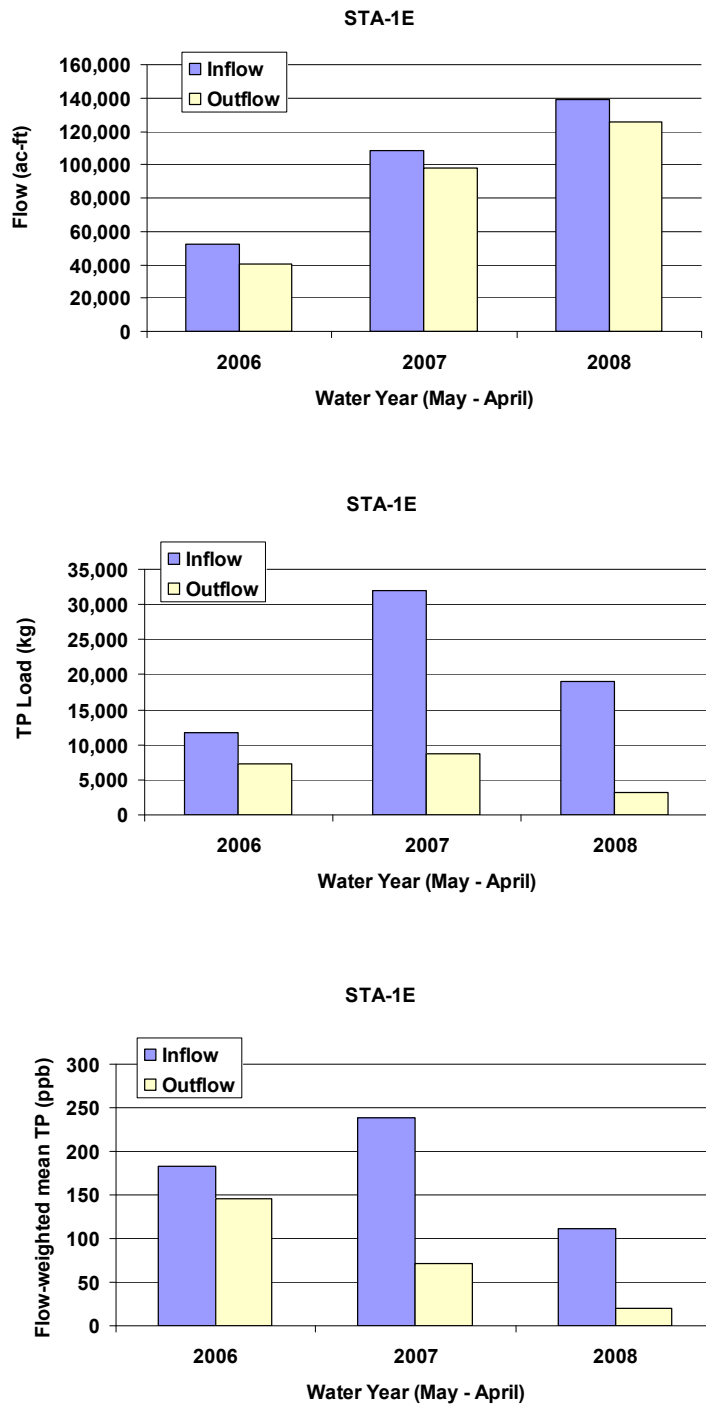


Figure 3. Flow, TP load, and TP flow-weighted mean concentrations at STA-1E for the period of record. Sections of this STA were temporarily off-line during this period. Refer to Table 2 of this appendix for information about treatment cell status.

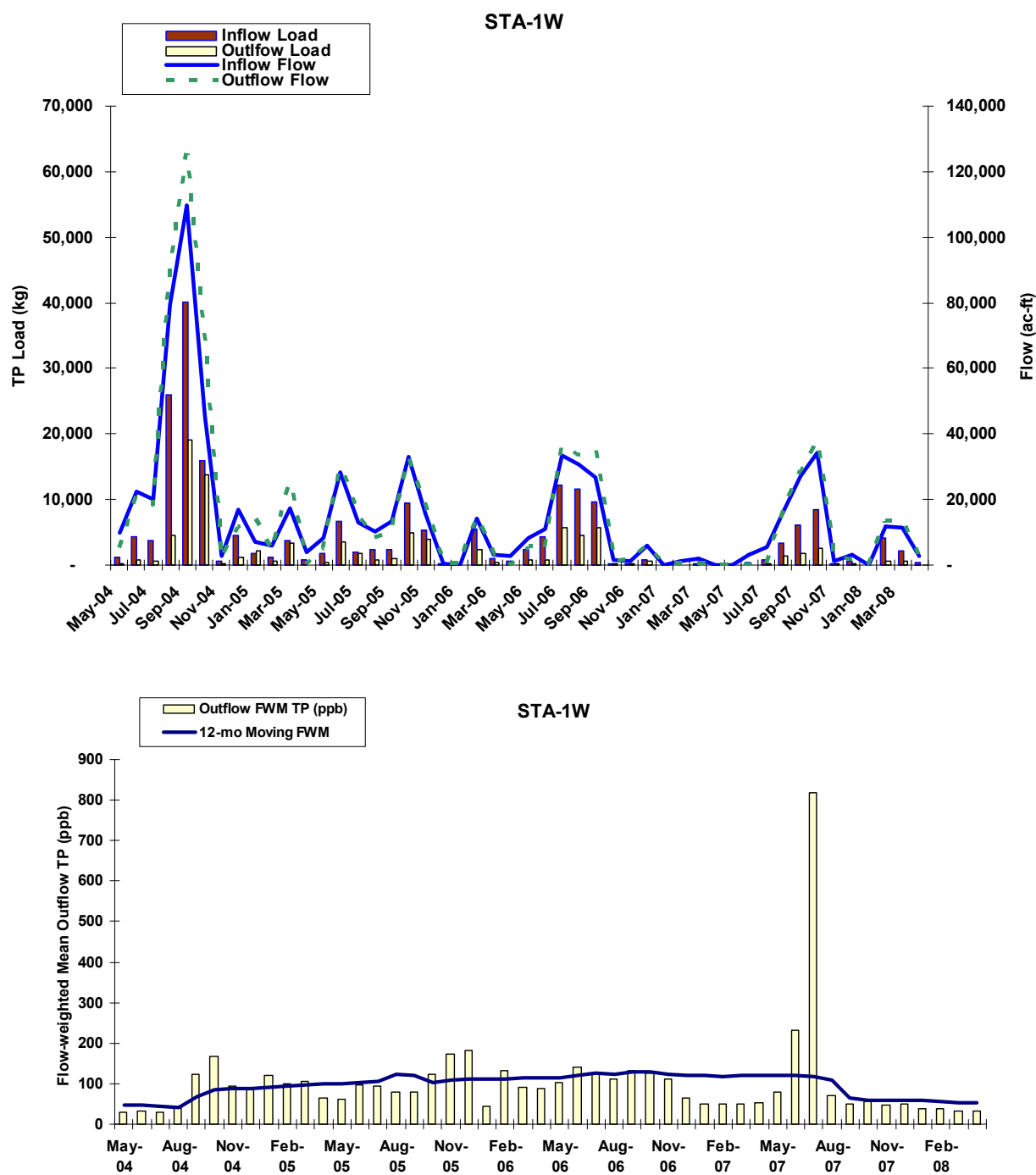


Figure 4. Flow, TP load, and flow-weighted mean TP concentrations at STA-1W during Water Years 2004–2008 (WY2004–WY2008). Sections of STA-1W were temporarily off-line during WY2004–WY2007. Refer to Table 2 of this appendix for information about treatment cell status.

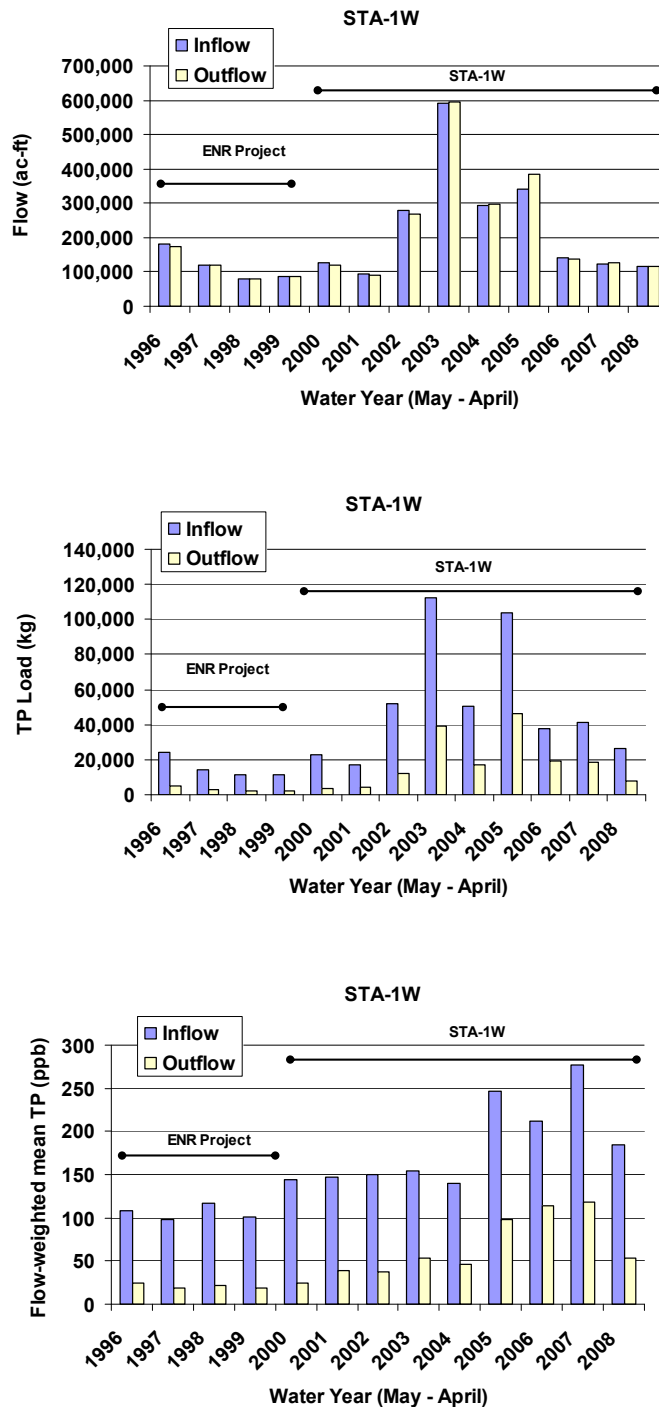


Figure 5. Flow, TP load, and TP flow-weighted mean concentrations at STA-1W for the period of record. Sections of this STA were temporarily off-line during this period. Refer to Table 2 of this appendix for information about treatment cell status. From 1994–1999, only Cells 1–4 were on-line and they were referred to as the Everglades Nutrient Removal (ENR) Project. In 1999, Cell 5 became operational and the STA became known as STA-1W.

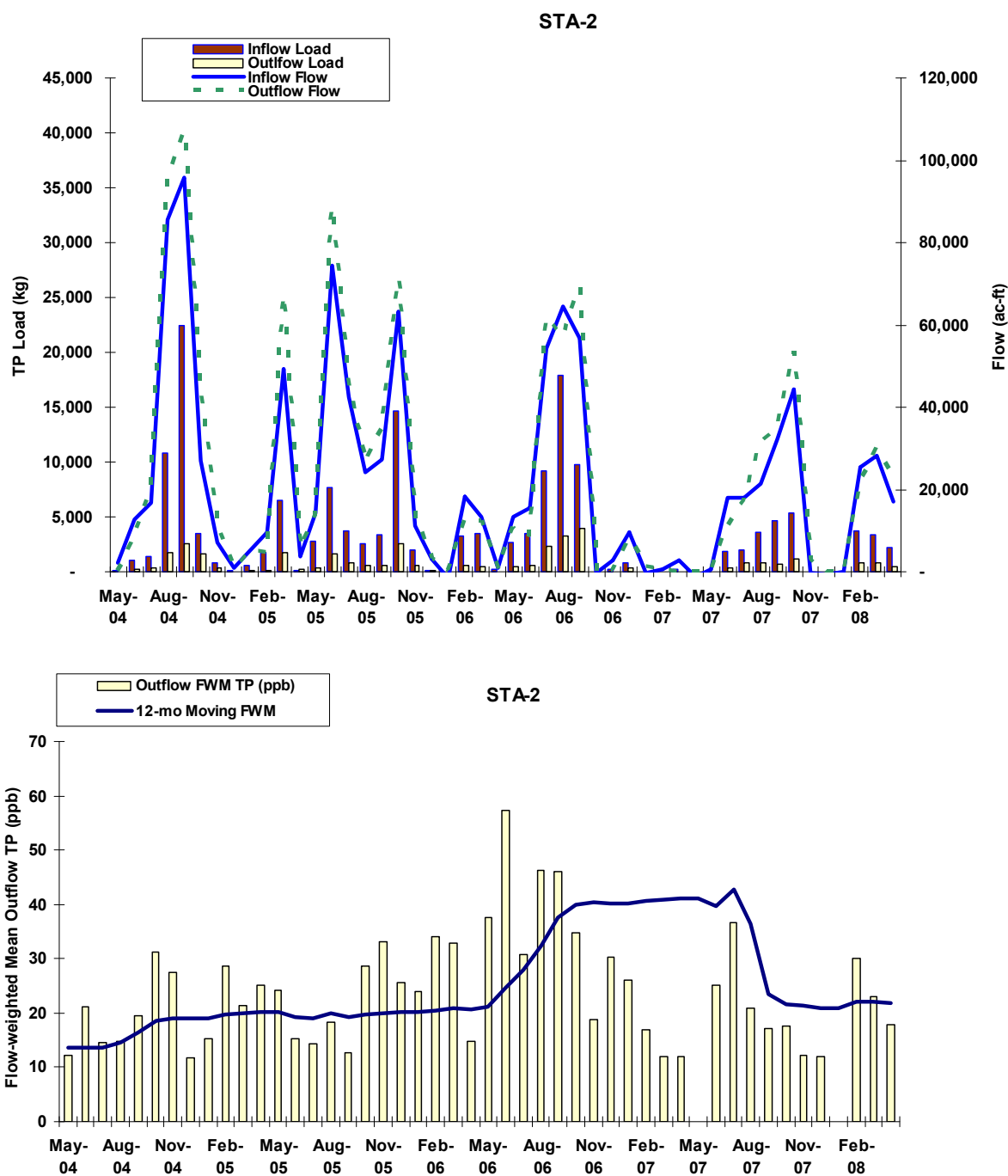


Figure 6. Flow, TP load, and flow-weighted mean TP concentrations at STA-2 during WY2004–WY2008. Sections of STA-2 were temporarily off-line during WY2004–WY2007. Refer to Table 2 of this appendix for information about treatment cell status.

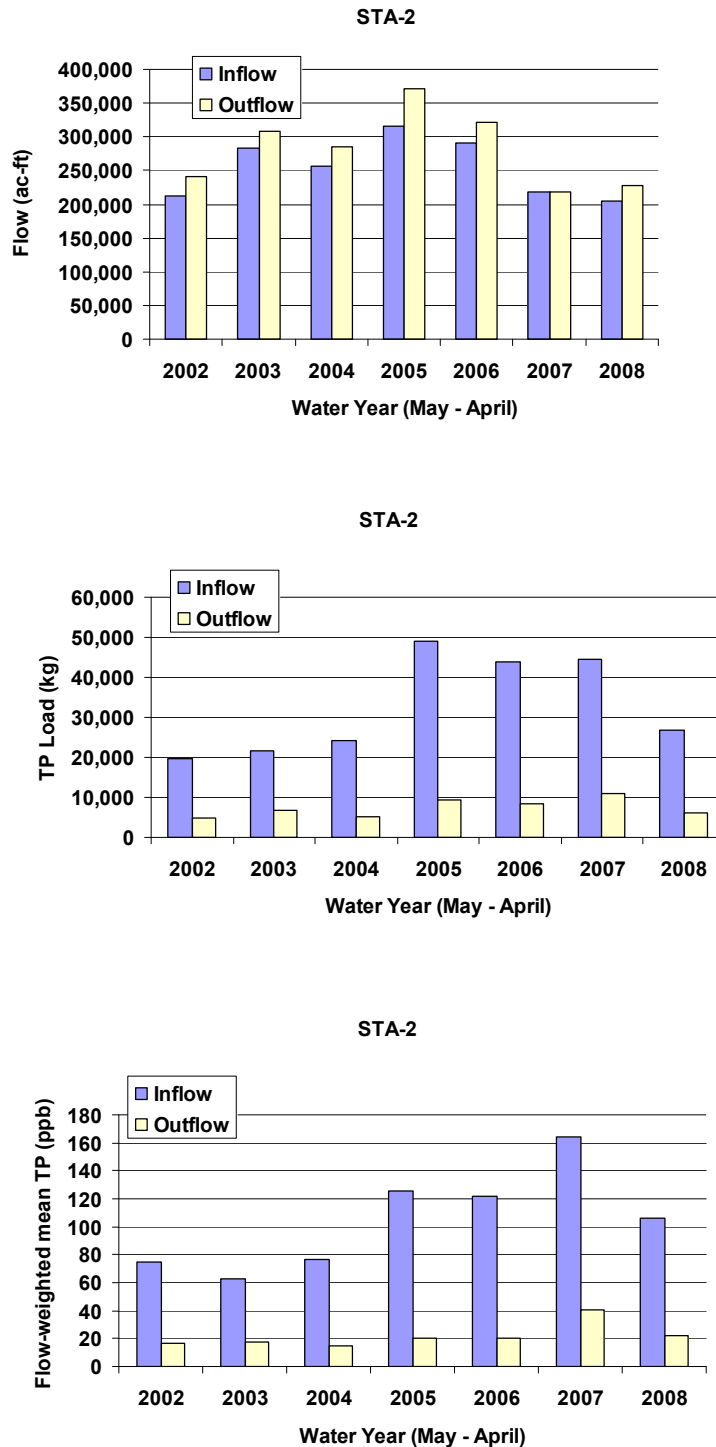


Figure 7. Flow, TP load, and TP flow-weighted mean concentrations at STA-2 for the period of record. Sections of this STA were temporarily off-line during this period. Refer to Table 2 of this appendix for information about treatment cell status.

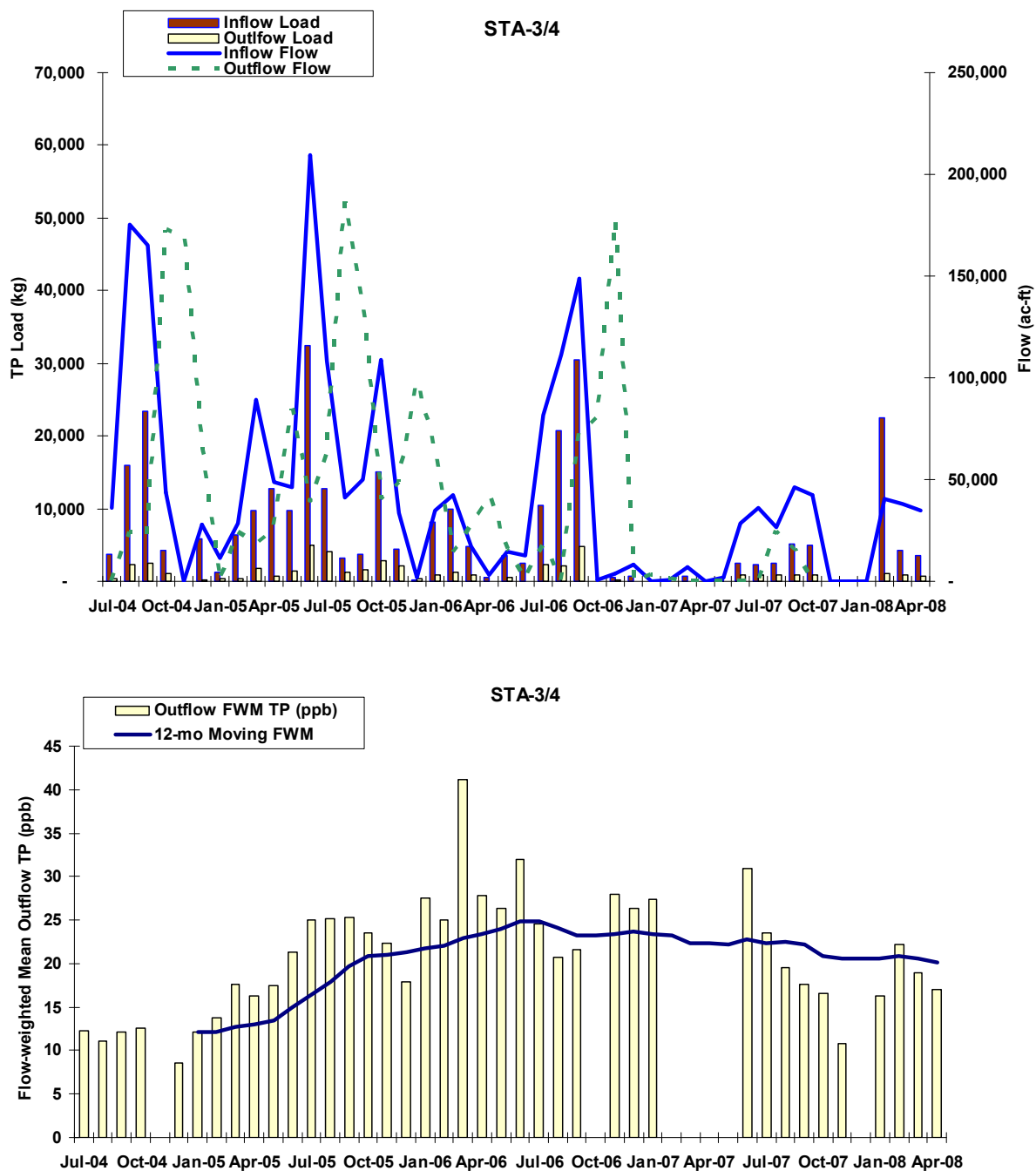


Figure 8. Flow, TP load, and flow-weighted mean TP concentrations at STA-3/4 during WY2004–WY2008. Sections of STA-3/4 were temporarily off-line during WY2004–WY2007. Refer to Table 2 of this appendix for information about treatment cell status.

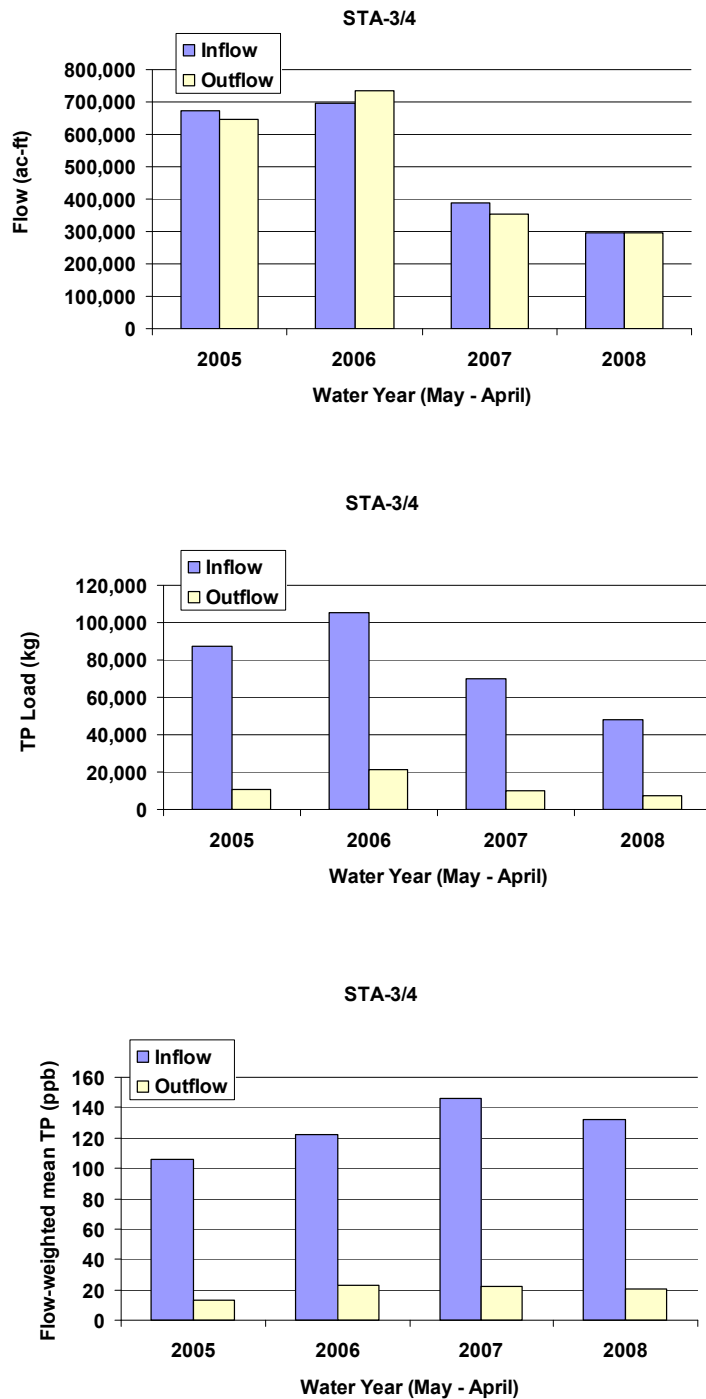


Figure 9. Flow, TP load, and TP flow-weighted mean concentrations at STA-3/4 for the period of record. Sections of this STA were temporarily off-line during this period. Refer to Table 2 of this appendix for information about treatment cell status.

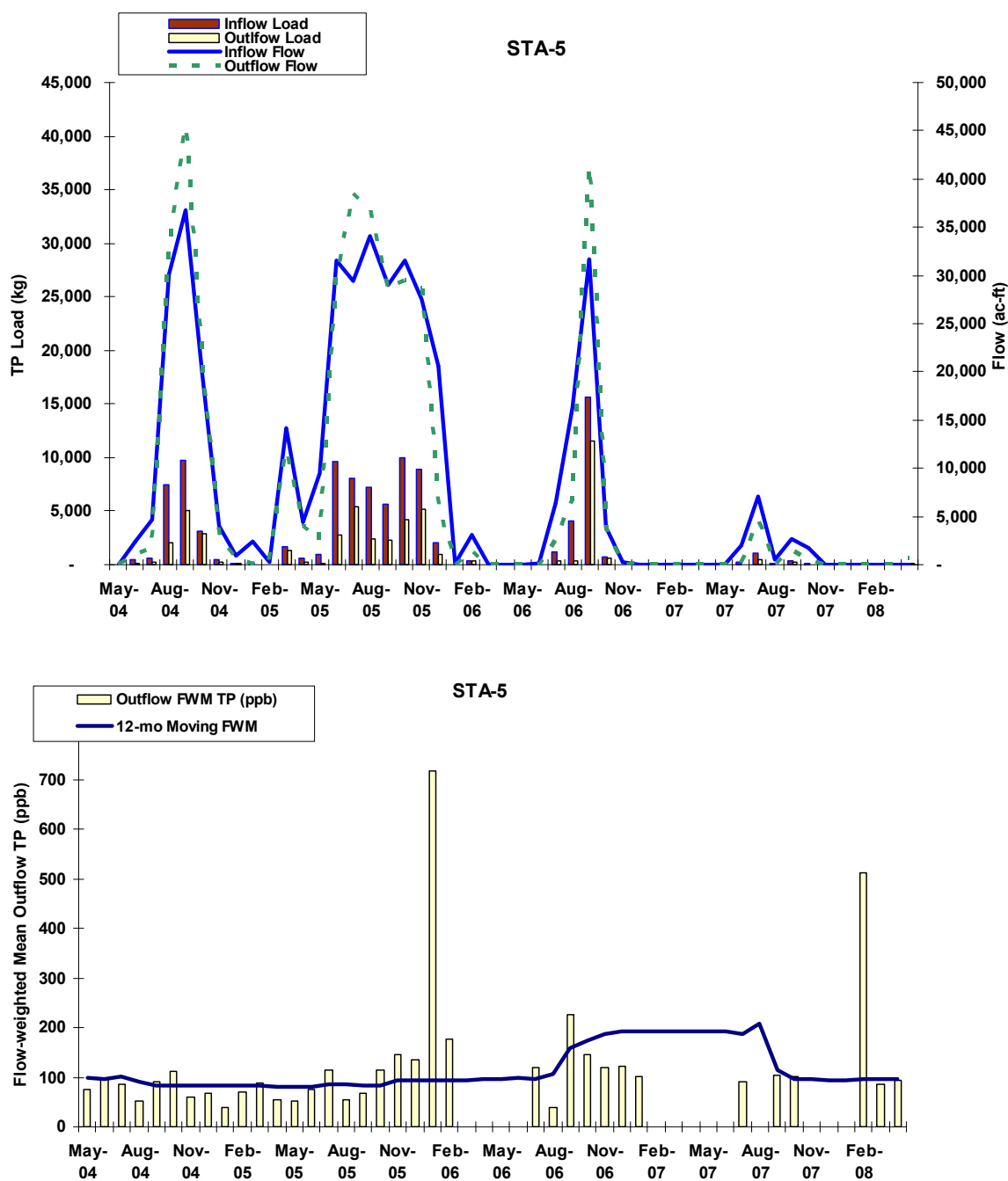


Figure 10. Flow, TP load, and flow-weighted mean TP concentrations at STA-5 during WY2004–WY2008. Sections of STA-5 were temporarily off-line during WY2004–WY2007. Refer to Table 2 of this appendix for information about treatment cell status.

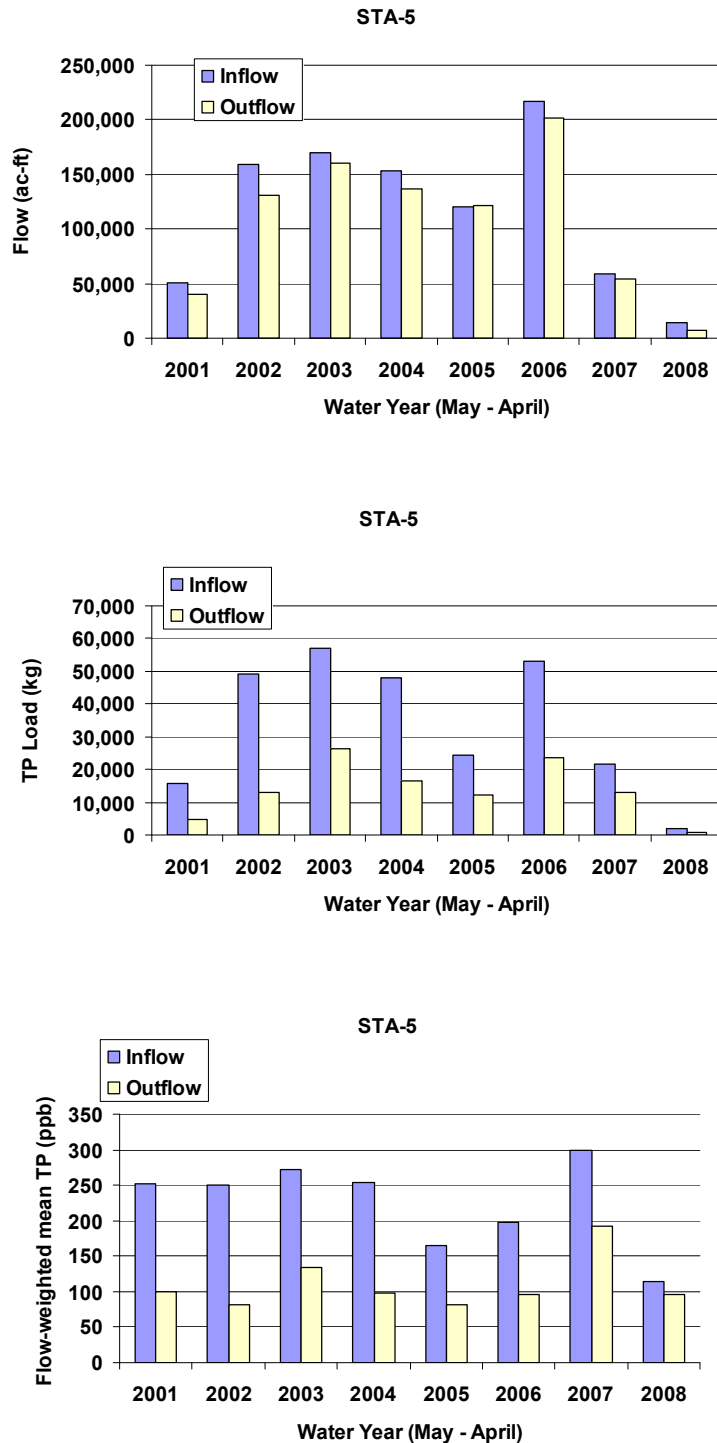


Figure 11. Flow, TP load, and TP flow-weighted mean concentrations at STA-5 for the period of record. Sections of this STA were temporarily off-line during this period. Refer to Table 2 of this appendix for information about treatment cell status.

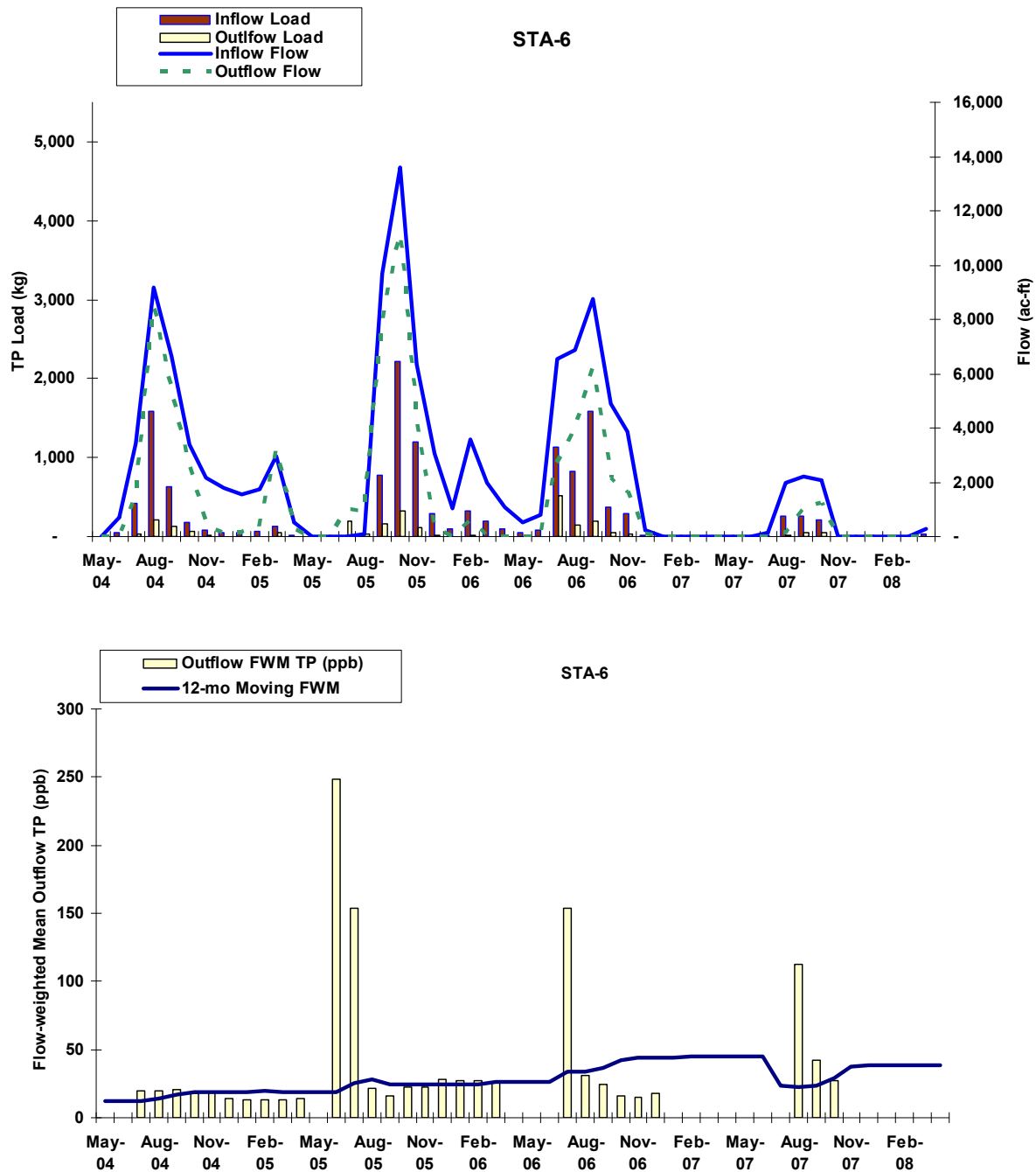


Figure 12. Flow, TP load, and flow-weighted mean TP concentrations at STA-6 during WY2004–WY2008. Sections of STA-6 were temporarily off-line during WY2004–WY2007. Refer to Table 2 of this appendix for information about treatment cell status.

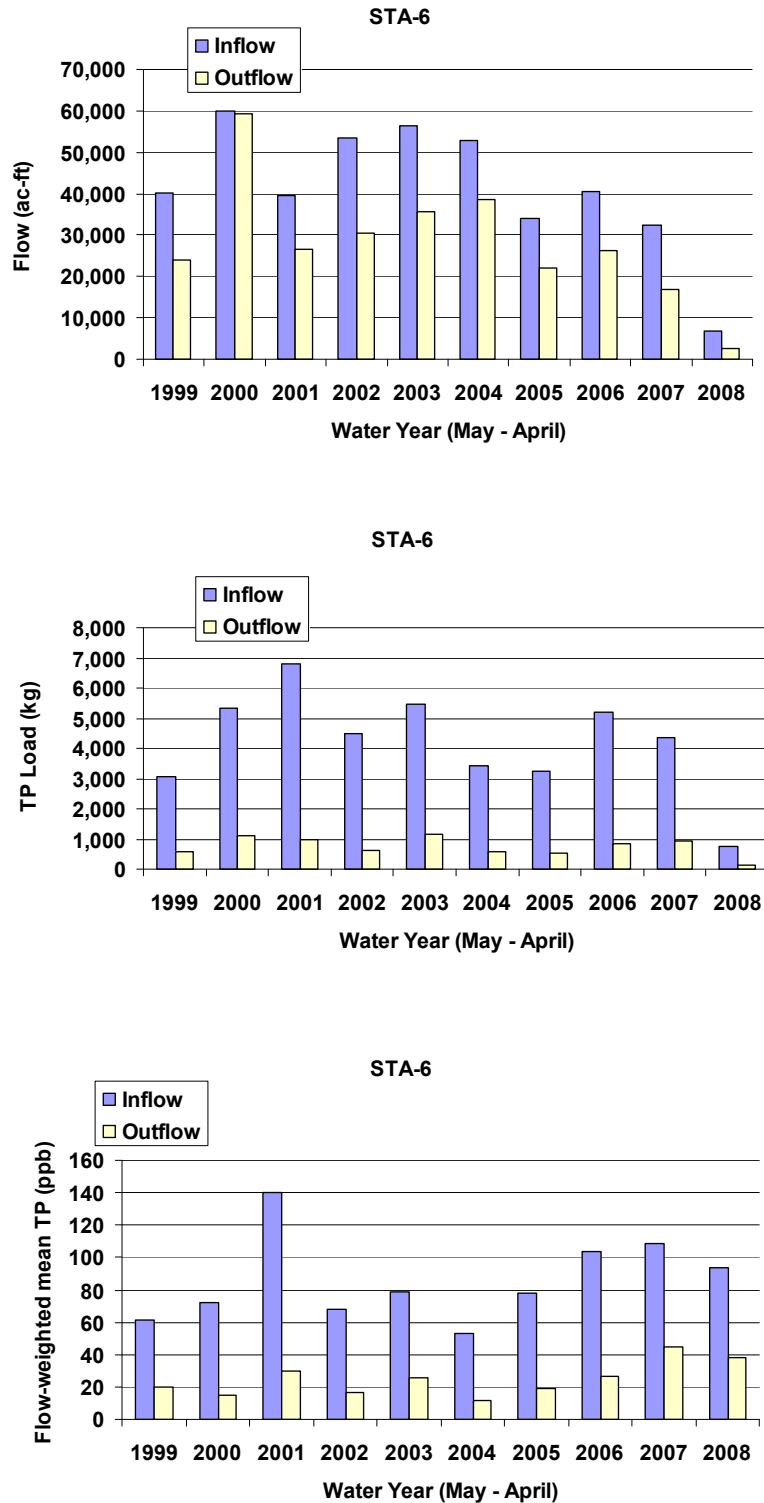


Figure 13. Flow, TP load, and TP flow-weighted mean concentrations at STA-6 for period of record. Sections of STA-6 were temporarily off-line during this period. Refer to Table 2 of this appendix for information about treatment cell status.

Table 1. Flow, TP load, and TP flow-weighted mean concentrations at the STAs. Sections of these STAs were temporarily off-line during this period. Refer to Table 2 of this appendix for information about treatment cell status. Yellow highlighted areas indicate data changes as reported from the 2008 SFER – Volume I, Chapter 5. Data changes can occur as modifications are made to the flow or water quality estimates.

STA-1E (Start-up 9/04, Permit issued 10/1/2005)																
Inflow = S-319, G-311, S-361 Outflow = S-362																
Water Year	Inflow acre feet	Inflow TP kg	Inflow TP ppb	HLR cm/day	PLR g/m2/yr	Outflow acre feet	Outflow TP kg	Outflow TP ppb	TP Retained kg	TP Retained %	TP Retained g/m2/yr	Cumulative Retained kg	Effective Treatment Area acres	HRT Days	TP Mass Retained Coefficient m/yr	
Hurricane response, start Sep. 2004 - April 2005	19,426	4,853	202	0.69	0.51	17,565	8,071	373	-3,219	-66%			4,024			
2006	52,113	11,729	182	1.08	0.72	40,572	7,295	146	4,434	38%	0.27		4,024	41		
2007	108,311	31,902	239	2.25	1.96	97,818	8,622	71	23,280	73%	1.43		4,024	23		10
2008	138,694	18,952	111	2.88	1.16	125,391	3,138	20	15,813	83%	0.97		4,024	23		18
Total	318,544	67,435	172	#DIV/0!	#DIV/0!	281,346	27,127	78	40,308	60%						
STA-1W (ENR Start-up 10/93, Flow-through: 8/1994; STA-1W 2000)																
*Inflow: G250 for Water Year 94 - 6/99, G302 for remainder Outflow = G-251 for Water Year 95-99, G-251 + G-310 for remainder.																
Water Year	Inflow* acre feet	Inflow TP kg	Inflow TP ppb	HLR cm/day	PLR g/m2/yr	Outflow acre feet	Outflow TP kg	Outflow TP ppb	TP Retained kg	TP Retained mt	TP Retained %	TP Retained g/m2/yr	Cumulative Retained kg	Effective Treatment Area acres	HRT Days	TP Mass Retained Coefficient m/yr
1994*, partial, startup 10/93	0.00	-				0.53	0.01	20	0							
1995*, partial WY, start-up 5/94 - 7/94	0.60	0	148			0.00	0.00									
1995*, partial WY, start 8/94	92,364	15,452	136	3.47	1.72	95,333	2,718	23	12,735	13	82%	0.82	12,735	3,815	17.3	22
1996	182,670	24,464	109	4.00	1.58	172,414	5,079	24	19,385	19	79%	1.26	32,120	3,815	15.0	22
1997	118,780	14,391	98	2.60	0.93	119,198	2,750	19	11,642	12	81%	0.75	43,761	3,815	23.1	16
1998	80,304	11,536	116	1.76	0.75	80,986	2,125	21	9,410	9	82%	0.61	53,171	3,815	34.1	11
1999	88,532	11,096	102	1.94	0.72	86,376	2,045	19	9,051	9	82%	0.59	62,223	3,815	31.0	12
2000	125,863	22,477	145	2.76	1.46	121,229	3,753	25	18,724	19	83%	1.21	80,947	3,815	21.8	18
2001	94,522	17,171	147	1.27	0.68	90,517	4,319	39	12,852	13	75%	0.51	93,798	6,194	42.4	6
2002	278,857	51,767	150	3.49	1.92	267,624	12,200	37	39,567	40	76%	1.47	133,366	6,670	17.2	18
2003	591,845	112,172	154	7.41	4.16	595,999	39,234	53	72,937	73	65%	2.70	206,303	6,670	8.2	29
2004	292,690	50,733	141	3.66	1.88	297,603	17,073	47	33,661	34	66%	1.25	239,964	6,670	16.1	15
2005	341,094	103,872	247	5.24	4.72	383,365	46,489	98	57,384	57	55%	2.61	297,347	5,436	11.5	18
2006	142,678	37,415	213	2.85	2.21	137,890	19,265	113	18,150	18	49%	1.07	315,498	4,181	13.2	7
2007	121,698	41,511	277	3.21	3.24	126,246	18,493	119	23,019	23	55%	1.80	338,516	3,168	14.0	10
2008	116,291	26,574	185	1.84	1.24	117,002	7,611	53	18,963	19	71%	0.89	357,480	5,289	14.0	8
Total	2,668,189	540,633	164			2,691,782	183,153	55	357,480		66%					
STA-2 Cells 1-3 (Start-up 6/99; Flow-through: 10/2000)																
Inflow = S-6 + G-328 Outflow = G-335																
Water Year	Inflow acre feet	Inflow TP kg	Inflow TP ppb	HLR cm/day	PLR g/m2/yr	Outflow acre feet	Outflow TP kg	Outflow TP ppb	TP Retained kg	TP Retained mt	TP Retained %	TP Retained g/m2/yr	Cumulative Retained kg	Effective Treatment Area acres	HRT Days	TP Mass Retained Coefficient m/yr
2001* Partial WY, flow records start 7/00	158,012	22,355	115	4.16	1.74	0	0		22,355	22		0.87		6,338		
2002	212,808	19,656	75	2.80	0.77	240,685	4,871	16	14,786	15	75%	0.58	14,786	6,338	16.0	16
2003	282,731	21,765	62	3.73	0.85	308,297	6,757	18	15,008	15	69%	0.59	29,794	6,338	12.1	17
2004	256,938	24,330	77	3.39	0.95	284,780	5,036	14	19,294	19	79%	0.75	49,088	6,338	13.3	21
2005	316,273	49,048	126	4.17	1.91	371,023	9,228	20	39,821	40	81%	1.55	88,908	6,338	11.0	28
2006	291,136	43,764	122	3.84	1.71	322,303	8,238	21	35,527	36	81%	1.39	124,435	6,338	12.2	25
2007	218,566	44,383	165	2.88	1.73	217,572	11,008	41	33,375	33	75%	1.30	157,810	6,338	16.2	15
2008	204,381	26,850	106	2.54	0.99	227,003	6,089	22	20,761	21	77%	0.76	178,571	6,712	18.3	15
Total	1,940,844	252,152	105			1,971,663	51,225	21	200,927		80%					
STA-3/4 (E and C FW start-up 10/03, W FW start-up 11/03)																
Flow-through: E FW 1/04, W FW 6/04, C FW 9/04 Inflow = G-370 + G-372																
Water Year	Inflow acre feet	Inflow TP kg	Inflow TP ppb	HLR cm/day	PLR g/m2/yr	Outflow acre feet	Outflow TP kg	Outflow TP ppb	TP Retained kg	TP Retained mt	TP Retained %	TP Retained g/m2/yr	Cumulative Retained kg	Effective Treatment Area acres	HRT Days	TP Mass Retained Coefficient m/yr
2004* Partial WY, start 10/03	23,303	1,392	48	0.09	0.02	25,811	481	15	910	1	65%	0.03	910	6,500		
2005	671,442	87,368	105	4.65	1.79	646,587	10,375	13	76,993	77	88%	1.58	77,904	12,059		36
2006	696,729	105,310	123	4.08	1.83	736,422	21,241	23	84,069	84	80%	1.46	161,973	14,253	13.8	25
2007	388,471	69,921	146	2.01	1.07	355,423	9,810	22	60,111	60	86%	0.92	222,084	16,161	21.0	14
2008	295,080	48,104	132	1.49	0.72	296,162	7,355	20	40,749	41	85%	0.61	262,833	16,543	21.0	10
Total	2,075,025	312,095	122			2,060,405	49,262	19	262,833		84%					

Table 1. Continued.

STA-5 North and Central Flow-way (Start-up 12/30/98; Flow-through: 10/1999)																		
Flow record starts in 9/99			Inflow = G-342 A-D					Outflow = G-344 A-D					Cumulative				Effective Treatment	TP Mass Retained
Water Year	Inflow acre feet	Inflow TP kg	Inflow TP ppb	HLR cm/day	PLR g/m2/yr	Outflow acre feet	Outflow TP kg	Outflow TP ppb	TP Retained kg	TP Retained mt	TP Retained %	TP Retained g/m2/yr	Retained kg	Area acres	HRT Days	Coefficient m/yr		
2000* Partial WY, start 9/99.	8,088	2,260	226	0.16	0.14	13,343	2,741	167	-481	0	-21%		10,771	4,110	40.1	3		
2001	50,459	15,669	252	1.03	0.94	39,978	4,898	99	10,771	11	69%	0.65	10,771	4,110	40.1	3		
2002	159,258	49,071	250	3.24	2.95	131,005	13,095	81	35,976	36	73%	2.16	46,746	4,110	15.2	13		
2003	170,203	57,207	272	3.46	3.44	160,518	26,456	134	30,751	31	54%	1.85	77,498	4,110	16.3	9		
2004	153,080	48,078	255	3.11	2.89	136,466	16,407	97	31,671	32	66%	1.90	109,169	4,110	18.9	11		
2005	119,910	24,457	165	2.63	1.59	121,427	12,220	82	12,237	12	50%	0.79	121,406	3,805	22.3	7		
2006	216,514	53,027	199	5.61	4.07	201,096	23,710	96	29,317	29	55%	2.25	150,723	3,222	5.8	15		
2007	58,690	21,682	299	1.30	1.42	54,163	12,857	192	8,825	9	41%	0.58	159,547	3,768	12.0	2		
2008	13,919	1,968	115	0.28	0.12	7,075	836	96	1,132	1	58%	0.07	160,680	4,110	12.0	0		
Total	950,121	273,419	233			865,071	113,220	106	160,199		59%							
STA-6 Section 1 (Start up 10/97, Flow-through Date: 12/97)																		
Inflow = G-600			Outflow = G-393 and G-354															
Water Year	Inflow acre feet	Inflow TP kg	Inflow TP ppb	HLR cm/day	PLR g/m2/yr	Outflow acre feet	Outflow TP kg	Outflow TP ppb	TP Retained kg	TP Retained mt	TP Retained %	TP Retained g/m2/yr	Cumulative Retained kg	Effective Treatment Area acres	HRT Days	TP Mass Retained Coefficient m/yr		
1998* Partial WY, startup, 10/97	4,121	190	37															
1998* Partial WY, flow-through 12/97	26,101	1,631	51	2.51	0.46	23,984	481	16	1,150	1	71%	0.98	1,150	870	18.0	10		
1999	40,120	3,052	62	3.85	0.87	24,035	588	20	2,464	2	81%	2.10	3,614	870	6.8	16		
2000	59,848	5,353	73	5.74	1.52	59,261	1,115	15	4,238	4	79%	3.61	7,853	870	6.6	33		
2001	39,395	6,821	140	3.78	1.94	26,718	986	30	5,835	6	86%	4.97	13,688	870	8.1	21		
2002	53,437	4,506	68	5.13	1.28	30,466	615	16	3,891	4	86%	3.32	17,579	870	9.3	27		
2003	56,252	5,474	79	5.40	1.55	35,666	1,141	26	4,333	4	79%	3.69	21,912	870	9.3	22		
2004	52,674	3,424	53	5.06	0.97	38,682	561	12	2,863	3	84%	2.44	24,775	870	11.1	28		
2005	34,035	3,255	78	3.27	0.92	22,187	515	19	2,740	3	84%	2.34	27,515	870	17.1	17		
2006	40,467	5,183	104	3.88	1.47	26,312	848	26	4,335	4	84%	3.69	31,851	870	12.2	20		
2007	32,443	4,360	109	3.74	1.49	16,755	925	45	3,435	3	79%	3.51	35,286	725	5.0	12		
2008	6,676	772	94	0.64	0.22	2,458	117	38	656	1	85%	0.56	35,941	870	5.0	2		
Total	445,569	44,023	80			306,525	7,891	21	36,132		82%							
Total of all STAs																		
Total Phosphorus																		
Total Phosphorus																		
Cumulative																		
Avg Calc. Avg Reported																		
Operational STAs	Water Year May - April	Inflow Volume acre feet	Inflow TP kg	Inflow TP Load mt	Inflow TP ppb	HLR cm/day	PLR g/m2/yr	Outflow acre feet	Outflow TP Load kg	Outflow TP Load mt	Outflow TP ppb	TP Retained kg/yr	TP Retained mt	TP Retained %	TP Retained g/m2/yr	Retained kg/yr	Effective Treatment Area acres	HRT Days
1994(ENR section of STA-1W)	1994	0.00	-					1	0		20	0						
1995 (ENR section of STA-1W)	1995	92,364	15,452	15	136	3.47	1.72	95,333	2,718	3	23	12,735	13	82%	1.41	12,735	3,815	17.3
1996 (ENR Section of STA-1W)	1996	182,670	24,464	24	109	4.00	1.58	172,414	5,079	5	24	19,385	19	79%	1.26	32,120	3,815	15.0
1997 (ENR Section of STA-1W)	1997	118,780	14,391	14	98	2.60	0.93	119,198	2,750	3	19	11,642	12	81%	0.75	43,761	3,815	23.1
1998 (ENR Section of STA-1W, STA-6)	1998	110,527	13,357	13	98	1.87	0.70	104,970	2,606	3	20	10,751	11	80%	0.57	54,512	4,685	28.1
1999 (ENR Section of STA-1W, STA-6)	1999	128,652	14,148	14	89	2.53	0.75	110,411	2,633	3	19	11,516	12	81%	0.61	66,027	4,685	17.0
2000 (STA-1W, STA-5, STA-6)	2000	193,799	30,090	30	126	3.57	1.37	193,833	7,609	8	32	22,481	22	75%	0.63	88,509	8,795	13.8
2001 (STA-1W, STA-2, STA-5, STA-6)	2001	342,389	62,017	62	147	2.86	1.27	157,213	10,204	10	53	51,813	52	84%	0.73	140,322	17,512	14.7
2002 (STA-1W, STA-2, STA-5, STA-6)	2002	704,360	125,000	125	144	3.35	2.12	669,781	30,781	31	37	94,219	94	75%	1.29	234,541	17,988	15.1
2003 (STA-1W, STA-2, STA-5, STA-6)	2003	1,101,032	196,618	197	145	5.75	3.51	1,100,481	73,587	74	54	123,030	123	63%	1.69	357,571	17,988	9.2
2004 (STA-1W, STA-2, STA-3/4, STA-5, STA-6)	2004	778,684	127,958	128	133	3.45	2.04	783,342	39,558	40	41	88,400	88	69%	0.70	445,971	30,988	15.8
2005 (STA-1W, STA-2, STA-3/4, STA-5, STA-6)	2005	1,502,180	272,854	273	147	4.43	2.87	1,562,154	86,899	87	45	185,956	186	68%	1.61	631,926	28,509	12.5
2006 (STA-1E, STA-1W, STA-2, STA-3/4, STA-5, STA-6)	2006	1,439,636	256,428	256	144	4.03	2.27	1,464,596	80,596	81	45	175,832	176	69%	1.32	807,758	32,888	9.9
2007 (STA-1E, STA-1W, STA-2, STA-3/4, STA-5, STA-6)	2007	928,178	213,758	214	187	2.41	1.80	867,977	61,714	62	58	152,044	152	71%	1.10	959,803	34,184	
2008 (STA-1E, STA-1W, STA-2, STA-3/4, STA-5, STA-6)	2008	775,040	123,221	123	129	2.04	0.95	775,091	25,146	25	26	98,075	98	80%	0.65	1,057,877	37,548	
Total		8,398,291	1,489,756	1,490	144			8,176,793	431,878	432	43	1,057,877	1,058	71%				

Table 2. Status of the STA treatment cells from January 2004–April 2008.

STA-1E Operational Treatment Cells																		
2004				2005						2006				2007				2008
WY2004				WY2005						WY2006				WY2007				WY2008
WY2005				WY2006						WY2007				WY2008				WY2009
Jan - Mar	Apr - Jun	Jul - Aug	Sep <i>Hurricanes Frances and Jeanne</i>	Oct - Dec	Jan - Mar	Apr - Jul	Aug - Sep	Oct <i>Hurricane Wilma</i>	Nov - Dec	Jan - Apr	May - Jun	Jul - Dec	Jan - Apr	May	Jun - Sep	Sep - Dec	Jan - Apr	
Treatment Cells On-line																		
Prior to operation			Emergency Operations, cell hydration					Central and Western Flow-ways Operational						Central and Western Flow-ways Operational, Eastern Flow-way hydrated and passed WQ start-up in Sep 2007		Central and Western Flow-ways Operational, Eastern Flow-way restricted during operation of the USACOE PSTA project		
Treatment Cells Off-line																		
								Eastern Flow-way off-line for PSTA project (construction completed Feb 2007, off-line until Jun 2007)										

Table 2. Continued.

STA-1W Operational Treatment Cells																										
2004						2005							2006				2007			2008						
WY2004						WY2006																WY2008				
	WY2005											WY2007														
				Sep Hurricanes Frances and Jeanne	Oct - Dec					Oct Hurricane Wilma																
Jan - Mar	Apr - Jun	Jul - Jul	Aug			Jan	Feb - Jun	Jul - Aug	Sep		Nov	Dec	Jan - Mar	Apr - Jun	Jul - Aug	Sep - Dec	Jan - Apr	May - Aug	Sep - Dec	Jan - Apr						
Treatment Cells On-Line																										
Northern and Eastern Flow-ways Operational			All Flow-ways Operational (Northern Flow-way restricted capacity (150 cfs) Nov. and Dec. because of hurricane damage).			Northern and Eastern Flow-way Operational		Eastern Flow-way Operational		Northern and Eastern Flow-ways Operational (Northern Flow-way restricted flow in Nov. and Dec. because of hurricane damage)				Eastern Flow-way Operational		Northern Flow-way Operational (July - Aug 2006 restricted to 200 cfs and 10.7 target, Sep 2006 restricted to 500 cfs, Oct 2006 - Feb 2007 restricted to 750 cfs, Mar - Jul 2007 stage restricted to 10.8 during flow)			Northern Flow- way Operational, Western Flow- way restricted to 400 cfs, Eastern Flow- way restricted to 450 cfs		Northern and Western Flow- ways Operational, Eastern Flow- way restricted to 225 cfs					
Treatment Cells Off-Line																										
Western Flow-way off- line to remove cattail tussocks in Cell 2 and plant rehabilitation in Cell 4						Western Flow-way off- line (Cell 2 divide levee and water control structures), Northern Flow-way off-line (starting in Feb.) to degrade the Limerock Berm and allow for hurricane repairs and plant re-establishment.				Western Flow-way re-hydrated, off-line for plant re-establishment				Northern Flow-way off-line (LTP enhancements construction and sediment and plant rehabilitation) and Western Flow-way restricted flow 200 cfs, 10.7 stage in July and Aug, then off-line (for plant re-establishment)			Eastern Flow-way off-line for LTP enhancements construction and vegetation conversion (Cell 3), Western Flow-way off-line for rehabilitation									

Table 2. Continued.**STA-2 Operational Treatment Cells**

2004					2005					2006			2007			2008
			Sep <i>Hurricanes Francis and Jeanne</i>					Oct <i>Hurricane Wilma</i>								
Jan - Mar	Apr - Jun	Jul - Aug		Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep		Nov - Dec	Jan - Apr	May - Jun	Jul - Dec	Jan - Apr	May - Nov	Dec	Jan - Apr
WY2004						WY2006									WY2008	
WY2005										WY2007						
Treatment Cells On-Line																
Cells 1 - 3 Operational															Cells 1 - 3 Operational, Cell 4 on-line	
Treatment Cells Off-line																
									Cell 4 Flow-capable Dec 2006, non-operational (for WQ start-up compliance passed on 9/21/07)							

Table 2. Continued.**STA-3/4 Operational Treatment Cells**

2004				2005				2006		2007		2008			
WY2004						WY2006							WY2008		
		WY2005								WY2007					
Jan - Mar	Apr - Jun	Jul - Aug	Sep <i>Hurricanes Frances and Jeanne</i>	Oct - Dec	Jan - Feb	Mar - Jun	Jul - Sep	Oct <i>Hurricane Wilma</i>	Nov - Dec	Jan - May		Jun - Dec	Jan - April	May - Dec	Jan - Apr
Treatment Cells On-line															
Eastern and Western Flow-way Operational			All Flow-ways (Eastern, Central, Western) Operational		Eastern and Central Flow-way Operational		All Flow-ways Operational (Cell 3 restricted flow/stage)			Eastern and Central Flow-way Operational		All Flow-ways Operational			
Treatment Cells Off-line															
Central Flow-way off-line for vegetation conversion					Western Flow-way off-line for LTP enhancements construction		Western Flow-way re-hydrated, partial operation for plant re-establishment			Western Flow-way off-line for LTP enhancemenets construction					

Table 2. Continued.**STA-5 Operational Status of Treatment Cells**

2004					2005					2006			2007		2008	
WY2004					WY2006										WY2008	
WY2005										WY2007						
Jan - Mar	Apr - Jun	Jul - Aug	Sep <i>Hurricanes Frances and Jeanne</i>	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct <i>Hurricane Wilma</i>	Nov - Dec	Jan - Mar	Apr - Jun	Jul - Dec	Jan - Apr	May - Dec	Jan - Apr	
Treatment Cells On-line																
Northern and Central Flow-ways Operational					Central Flow-way (Cells 2A and 2B) Operational; Cell 1A restricted capacity		Northern and Central Flow-ways Operational (Cell 1B restricted capacity to allow for plant establishment)			Northern Flow-way Operational		Northern and Central Flow-ways Operational				
Treatment Cells Off-line																
					Cell 1B off-line; LTP Enhancements construction in Northern Flow-way (Cell 1A and 1B)					Central Flow-way (Cells 2A and 2B) off-line; LTP Enhancements construction		Vegetation conversion Cell 2B, Southern Flow-way (Cells 3A and 3B) flow-capable Dec. 2006		Southern Flow-way off-line (drought, unable to hydrate)		

Table 2. Continued.**STA-6 Operational Treatment Cells**

2004				2005				2006			2007				2008		
WY2004				WY2006										WY2008			
WY2005									WY2007								
		Sep Hurricanes Francis and Jeanne				Oct Hurricane Wilma											
Jan -Apr	May - Aug		Oct - Dec	Jan - Apr	May - Sep		Nov - Dec	Jan - Apr	May - Nov	Dec	Jan	Feb - Mar	Apr	May - Nov	Dec	Jan - Apr	
Treatment Cells On-line																	
Section 1 (Cells 3 & 5) Operational													Section 1 Operational		Section 1 Operational, Section 2 on-line		
Treatment Cells Off-line																	
										Section 2 flow- capable	Section 2 off- line (for start- up WQ compliance)	Section 1 off- line for LTP Construction, Section 2 off- line (start-up compliance)	Section 2 off-line (start-up WQ compliance passed Aug 14, 2007)				